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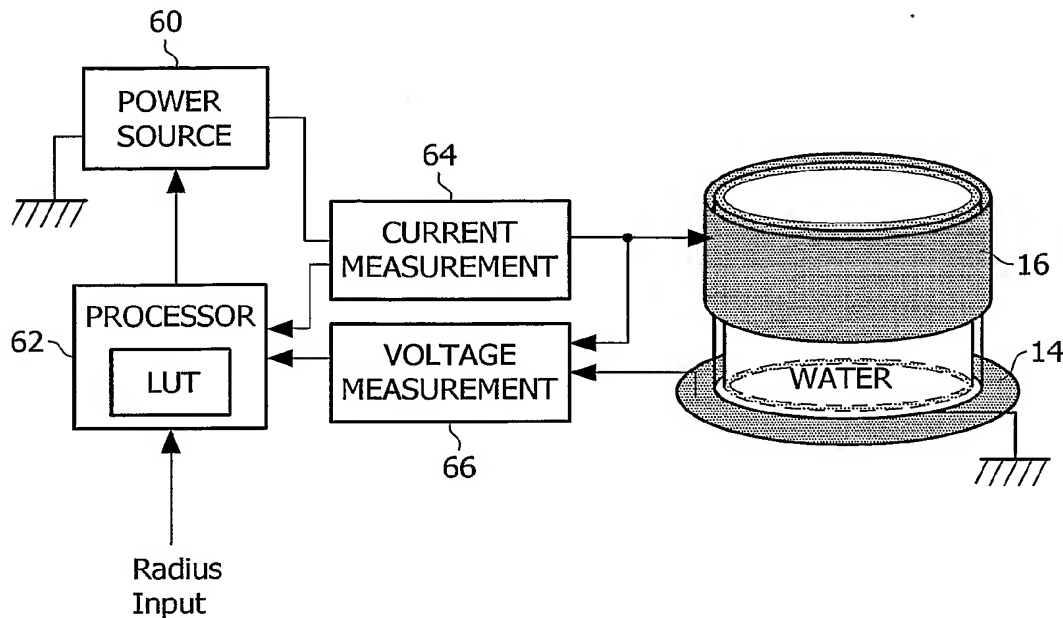
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(54) Title: CONTROLLABLE OPTICAL LENS



(57) Abstract: A controllable optical lens system comprises a chamber housing first and second fluids, the interface between the fluids defining a lens surface. An electrode controls the shape of the lens surface and has first and second electrodes. The current supplied by a power source to the electrode arrangement is monitored, and the charge supplied is derived. The voltage on one of the electrodes of the electrode arrangement is also monitored. A desired lens power is used to derive a control value for controlling the total charge to be supplied to the electrode arrangement. The drive scheme is independent of some of the lens characteristics, and is more easily implemented than a feedback control system using capacitive sensing.

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